

William Reed

941-807-2745 | willmreed14@gmail.com | [linkedin.com/in/will-m-reed](https://www.linkedin.com/in/will-m-reed) | github.com/willmreed14

Technical Skills

Languages: Python, JavaScript, Swift, C++, HTML, CSS, SQL/NoSQL

Frameworks: Node.js, React, Express, SwiftUI, Bootstrap

Tools: XCode, Git (GitHub), Visual Studio Code, MongoDB, Firebase, CLI (Bash)

Experience

CodePath.org

Tech Fellow

Remote

Jan. 2025 - Current

- Mentor and assist students through a data structures and algorithms course with Python.
- Model problem-solving tactics and encourage a collaborative learning environment.
- Market CodePath's courses to potential students via campus outreach.

Six Feet Under Dive Service

Operations Lead

Fort Lauderdale, FL

Jan. 2022 - Dec. 2024

- Managed day-to-day business operations including employee schedules and record keeping.
- Acquired hundreds of repeat clients by negotiating sales and providing exceptional customer service.

Projects

LiftLog | [View on GitHub](#)

- Developed a workout planner as an iOS app in XCode with SwiftUI and Firebase.
- Allows users build custom weekly fitness routines, log exercise details, and track their progress.
- Designed a dynamic UI with an emphasis on creating a clean and smooth user experience.
- Utilized Firestore database integration for storing workout data and user authentication.

URL Shortener | [View on GitHub](#)

- Developed a URL Shortener as an Express web application.
- Implemented a database to store shortened links and click counts using MongoDB.
- Created a clean and simple UI using HTML, CSS, and Bootstrap.

Predictive Machine Status Analysis | [View on GitHub](#)

- Created a high-accuracy predictive analytics model to detect industrial pump failure with Python.
- Applied machine learning models (Random Forest, Logistic Regression, SVM) to classify statuses.
- Utilized pandas, NumPy, and scikit-learn to analyze data and optimize model performance.
- Documented the process and summarized my findings in a full project report.

Education

Florida Atlantic University

Bachelor of Arts in Computer Science

Boca Raton, FL

Aug. 2020 – Dec. 2024

Positions of Responsibility

Delta Tau Delta Fraternity, Iota Nu Chapter

Vice President

Boca Raton, FL

Aug. 2022 – May 2023

- Handled administrative planning and execution of philanthropy and social events.
- Lead fundraising events that raised over \$23,000 towards charitable organizations in 2023.